

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2004/001859

**A. CLASSIFICATION OF SUBJECT MATTER****IPC7 H04B 7/155**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC7 H04B 7/155, 7/26, 10/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
KOREAN PATENTS AND APPLICATIONS FOR INVENTIONS SINCE 1975  
KOREAN UTILITY MODELS AND APPLICATIONS FOR UTILITY MODELS SINCE 1975Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
KIPONET, DELPHION & Keywords : base, station, repeater, optical, microwave and similar terms**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 07-30493 A ( Sumitomo Electric Industries Ltd.) 31 Janunary 1995 * abstract, paragraph [0010] - [0019] *	1
X	JP 11-112409 A ( NTT Mobile Communication Network Inc. ) 23 April 1999 * paragraph [0007] - [0010], figure 1-3 *	1
X	US 5689355 A ( Kokusai Electric Co., Ltd. et al ) 18 November 1997 * column1 line29-67, figure 4 *	1
A	US 2003/0143947 A1 ( LG Electronics Inc. ) 31 July 2003 * the whole document *	1
A	JP 2002-118870 A ( Mitsubishi Electric Co.) 19 April 2002 * the whole document *	1

 Further documents are listed in the continuation of Box C. See patent family annex.

\* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

19 OCTOBER 2004 (19.10.2004)

Date of mailing of the international search report

20 OCTOBER 2004 (20.10.2004)

Name and mailing address of the ISA/KR



Korean Intellectual Property Office  
920 Dunsan-dong, Seo-gu, Daejeon 302-701,  
Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

SHIN, Jun Ho

Telephone No. 82-42-481-8129



## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2004/001859

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 07-030493 A	1995-01-31	NONE	
JP 11-112409 A	1999-04-23	NONE	
US 5689355 A	1997-11-18	DE 69527222 D1 DE 69527222 T2 EP 0674452 A2 EP 0674452 A3 EP 0674452 B1 JP 07-264139 A JP 3300552 B2 JP 08-102713 A	2002-08-08 2003-03-13 1995-09-27 1996-01-03 2002-07-03 1995-10-13 2002-07-08 1996-04-16
US 2003/143947 A1	2003-07-31	CN 1362799 A KR 2002-054588 A	2002-08-07 2002-07-08
JP 2002-118870 A	2002-04-19	NONE	